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Abstract

A new allele at the spray locus

Bürk, R. R. A new allele at the spray locus.

Whilst looking for mutants at the am locus, we found a colonial am strain from which it was possible to isolate colonial am⁺ strains in a cross to wild type. (It was not possible to isolate non-colonial am strains.) When this am⁺ colonial strain (1405) was crossed to spray (sp) there were no non-spray colonies from 4,576 germinated ascospores.

Both sp and 1405 grown in still culture on Vogel's minimal liquid medium with and without 0.01 M Na L-glutamate had no NAD glutamate dehydrogenase, whereas wild type does. But when grown in shaken culture on Fries No. 3 medium with 0.05 M ammonium tartrate substituted for the nitrogen source, they had normal NAD glutamate dehydrogenase levels. 1405 is therefore a new allele at the spray (sp) locus. - - -
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